### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Yogesh S. Sanghvi and Muthiah Manoharan Group Art Unit: Not Assigned Yet

**Examiner: Not Assigned Yet** 

For: Gapped Oligomers Having Site Specific Phosphorotioate Internucleoside

Linkages

# **DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

|                | IXI         | Utility Patent           | Ш        | Design Patent                   |
|----------------|-------------|--------------------------|----------|---------------------------------|
| is sought on t | the inver   | ntion, whose title appea | ars abov | ve, the specification of which: |
|                | $\boxtimes$ | is attached hereto.      |          |                                 |
|                |             | was filed on             |          | as Serial No                    |
|                | □ .         | said application having  | ng been  | amended on                      |

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any foreign



**DOCKET NO. ISIS-4288** 

PATENT

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**application(s)** for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

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| ow and, closed in  | insofar as the subject ments of the prior United States  | natter of each of the class application in the ma   | United States application(s) listed aims of this application is not ner provided by the first paragraph the U.S. Patent and Trademark  |
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I hereby appoint the following persons as attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| Name: Yogesh S. Sanghvi                                    |                            |
|--|----------------------------|
| Mailing Address: 2169 Wandering Road Encinitas, CA 92024   | Signature                  |
| City/State of Actual Residence: Encinitas, CA              | Date of Signature:         |
|  | Citizenship: United States |
| Name: Muthiah Manoharan                                    |                            |
| Mailing Address: 7634 Reposado Drive<br>Carlsbad, CA 92009 | Signature                  |
| City/State of Actual Residence: Carlsbad, CA               | Date of Signature:         |
| · ·  | Citizenship: United States |

Applicant or Patentee:

Serial No.: Not Yet Known Attorney's Docket No.: ISIS-4288

Date Filed: Rerewith

For: Gapped Oligomers Having Site Specific Chiral Phosphorothicate Internucleoside Linkages

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) and 1.27(c) - SMALL BUSINESS CONCERN

I hereby declare that I am:

- ( ) the owner of the small business concern identified below:
- (X) an official empowered to act on behalf of the concern identified below:

NAME OF CONCERN: ADDRESS OF CONCERN: ISIS Pharmaceuticals, Inc. 2292 Faraday Avenue Carlsbad, CA 92008

I hereby declare that the above-identified small business concern qualifies as a small business concern as defined in 13 CFR 121.12, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, in that: (1) the number of employees of the concern, including those of its affiliates, does not exceed 500 persons; and (2) concern has not assigned, granted, conveyed, or licensed, and is under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who could not be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern or a nonprofit organization under this section. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention entitled Gapped Oligomers Having Site Specific Chiral Phosphorothicate Internucleoside Linkages by inventor(s) described in

| (X) | specification | filed | herewith |
|-----|---------------|-------|----------|
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| ( ) | application | serial | no. |  | filed |  |
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If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights in the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

\*NOTE: Separate verified statements are required for each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

### FULL NAME:

## ADDRESS:

() INDIVIDUAL () SMALL BUSINESS CONCERN () NONPROFIT ORGANIZATION

## FULL NAME:

### ADDRESS:

() INDIVIDUAL () SMALL BUSINESS CONCERN () NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

application, any patent issuing thereon, or any patent to we this verified statement is directed.

NAME OF PERSON SIGNING
TITLE OF PERSON SIGNING

ADDRESS OF PERSON SIGNING

RESON SIGNING

B. Lynne Parshall, Esq.
Executive Vice President and Chief Financial Officer
2292 Faraday Avenue

SIGNATURE 11/08/99

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Carlsbad, CA 92008